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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/894,862
Filing Date	June 27, 2001
First Named Inventor	Lee, Michael
Group Art Unit	2123
Examiner Name	Unassigned
	<b>RECEIVED</b>
	JAN 08 2002
	<b>Group 2100</b>
Attorney Docket Number	020174-005400US

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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Chun-Pok Leung	Reg. No. 41,405
Signature		
Date	11-8-01	

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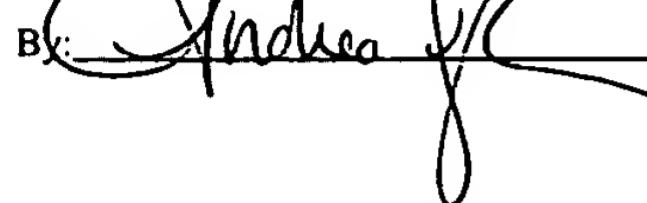
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On November 2, 2001

TOWNSEND and TOWNSEND and CREW LLP

By: 

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Michael Lee et al.

Application No.: 09/894,862

Filed: June 27, 2001

For: A COMPUTER AIDED DESIGN  
METHOD AND SYSTEM FOR  
DEVELOPING A MICROFLUIDIC  
SYSTEM

Examiner: Unassigned

Art Unit: 2123

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

**PATENT**  
Attorney Docket No.: 020174-005400US

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Respectfully submitted,



Chun-Pok Leung  
Reg. No. 41,405

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Sheet

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Application Number	09/894,862
Filing Date	June 27, 2001
First Named Inventor	Lee, Michael
Group Art Unit	2123
Examiner Name	Unassigned

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Group 2100

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	4,965,743		Malin, et al.	10/23/1990	
	AB	4,797,842		Nackman, et al.	01/10/1989	
	AC	5,487,003		Iwasawa, et al.	01/23/1996	
	AD	5,574,893		Southgate, et al.	11/12/1996	
	AE	5,812,394		Lewis, et al.	09/22/1998	
	AF	6,056,428		Devoino, et al.	05/02/2000	
	AG	6,149,870		Parce, et al.	11/21/2000	
	AH	6,182,020 B1		Brent Alan Fairbanks	01/30/2001	
	AI	6,235,175 B1		Dubrow, et al.	05/22/2001	
	AJ	6,274,337 B1		Parce, et al.	08/14/2001	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Attorney Docket Number	020174-005400US

JAN 08 2002

Group 2100

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AK	Chou, Hou-Pu, et al., "Microfabricated Devices for Sizing DNA and Sorting Cells," <i>Micro- and Nanofabricated Structures and Devices for Biomedical Environmental Applications</i> , (1998) Vol. 3258:pp 187-7.
	AL	Chou, Hou-Pu, et al. "Disposable Microdevices for DNA Analysis and Cell Sorting," <i>Proc. Solid-State Sensor and Actuator Workshop</i> , (June 1998) pp:11-14.
	AM	Chou, Hou-Pu, et al., "A Microfabricated Device for Sizing and Sorting DNA Molecules," <i>Proc. Natl. Acad. Sci. USA</i> , (Jan. 1999) Vol. 96:pp 11-13.
	AN	Chou, Hou-Pu, et al., "Integrated Elastomer Fluidic Lab-on-a-Chip-Surface Patterning and DNA Diagnostics," <i>Departments of Electrical Engineering and Applied Physics, Caltech, Pasadena, California 91125, USA</i>
	AO	Fu, Anne Y., et al., "A Microfabricated Fluorescence-Activated Cell Sorter," <i>Nature Biotechnology</i> , (Nov. 1999) Vol. 17:pp 1109-1111.
	AP	Quake, Stephen R., et al., "From Micro- to Nanofabrication with Soft Materials," <i>Science</i> (Nov. 2000) Vol. 290:pp 1536-1540.
	AQ	Thorsen, Todd, et al., "Dynamic Pattern Formation in a Vesicle-Generating Microfluidic Device," <i>Physical Letters Review</i> (April 2001) Vol. 86, No. (18):pp 4163-4166.
	AR	Unger, Marc A., et al., "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography," <i>Science</i> (April 2000) Vol. 288:pp 113-116.
	AS	Weigl, Bernhard H., "Microfluidics-Based Lab-on-a-Chip Systems," <a href="http://www.devicelink.com/archive/00/11/008.h">www.devicelink.com/archive/00/11/008.h</a>

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